

Comparisons of Job Characteristics

Focus Occupation: [Excavating and Loading Machine and Dragline Operators \(53-7032\)](#)

Associated Occupation: [Highway Maintenance Workers \(47-4051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Public Safety and Security	6.9	14.2	9.1	<<	Extensive education and/or training may be required
Building and Construction	4.0	12.2	10.7	<	Expanded education and/or training may be required
Transportation	4.6	10.6	7.4	<<	Extensive education and/or training may be required
Law and Government	5.9	10.2	4.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	6.9	2.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	11.4	13.2	>	Skill level is likely sufficient
Operation Monitoring	6.6	11.4	11.4	0	Current skill level may be sufficient
Troubleshooting	4.5	8.5	8.3	0	Current skill level may be sufficient
Quality Control Analysis	5.9	8.4	8.2	0	Current skill level may be sufficient
Equipment Maintenance	3.5	8.3	8.0	0	Current skill level may be sufficient
Repairing	3.4	7.9	8.2	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Excavating and Loading Machine and Dragline Operators (53-7032) Associated Occupation: Highway Maintenance Workers (47-4051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.3	15.6	>	Current ability level is likely sufficient
Multilimb Coordination	6.0	12.9	15.6	>	Current ability level is likely sufficient
Reaction Time	4.8	10.8	13.4	>	Current ability level is likely sufficient
Auditory Attention	5.9	10.5	12.6	>	Current ability level is likely sufficient
Rate Control	3.8	9.8	11.9	>	Current ability level is likely sufficient
Response Orientation	4.0	9.8	13.0	>>	Current ability level is likely more than sufficient
Speed of Limb Movement	3.2	8.7	9.6	>	Current ability level is likely sufficient
Spatial Orientation	2.7	6.9	11.4	>>	Current ability level is likely more than sufficient
Peripheral Vision	2.2	5.5	9.8	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 37
Focus Occupation: Excavating and Loading Machine and Dragline Operators (53-7032) Associated Occupation: Highway Maintenance Workers (47-4051)		
Work Activities		Exclusivity of Activity
Use hand or power tools		2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83	
Focus Occupation: Excavating and Loading Machine and Dragline Operators (53-7032) Associated Occupation: Highway Maintenance Workers (47-4051)			
Tools and Technologies			Exclusivity
Computers			1

Content authoring and editing software	1
Dispensing tools	6
Drilling and operation machinery	29
Earth moving machinery	11
Forming tools	2
Heavy equipment components	21
Holding and clamping tools	3
Information exchange software	1
Lifting equipment and accessories	3
Product and material trailers	24
Product and material transport vehicles	13
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.